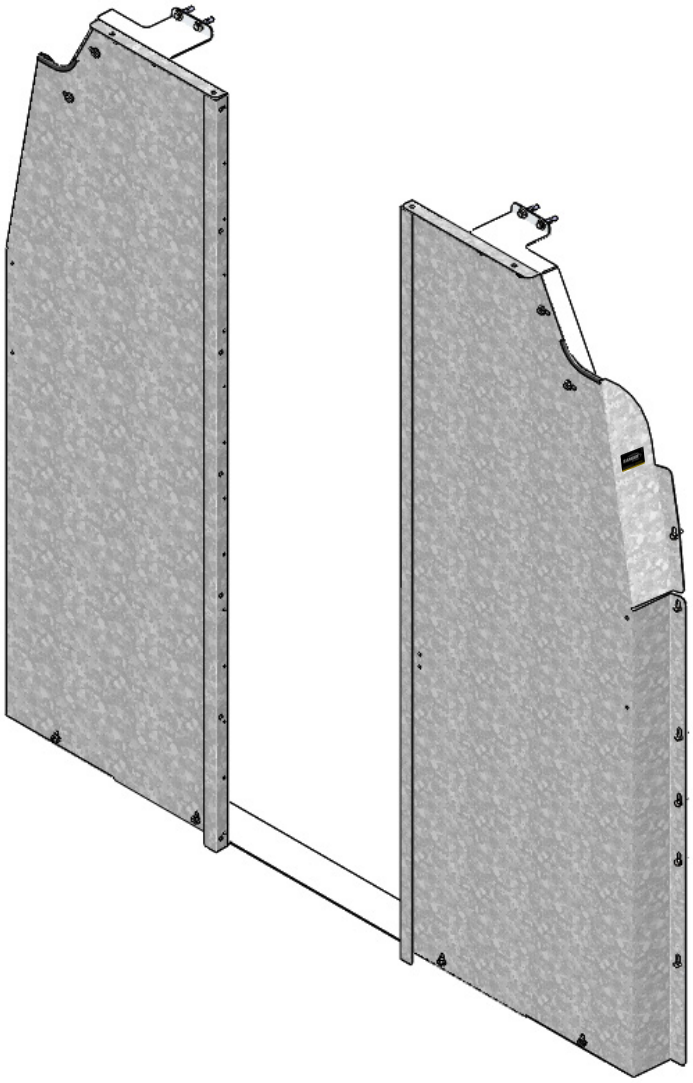
INSTALLATION GUIDE



C24-FTM STRAIGHT PARTITION

Transit Partition (Walk-Through, Steel)

RANGER DESIGN

QUICK START GUIDE

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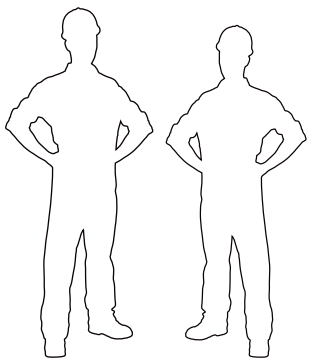
REQUIRED ITEMS



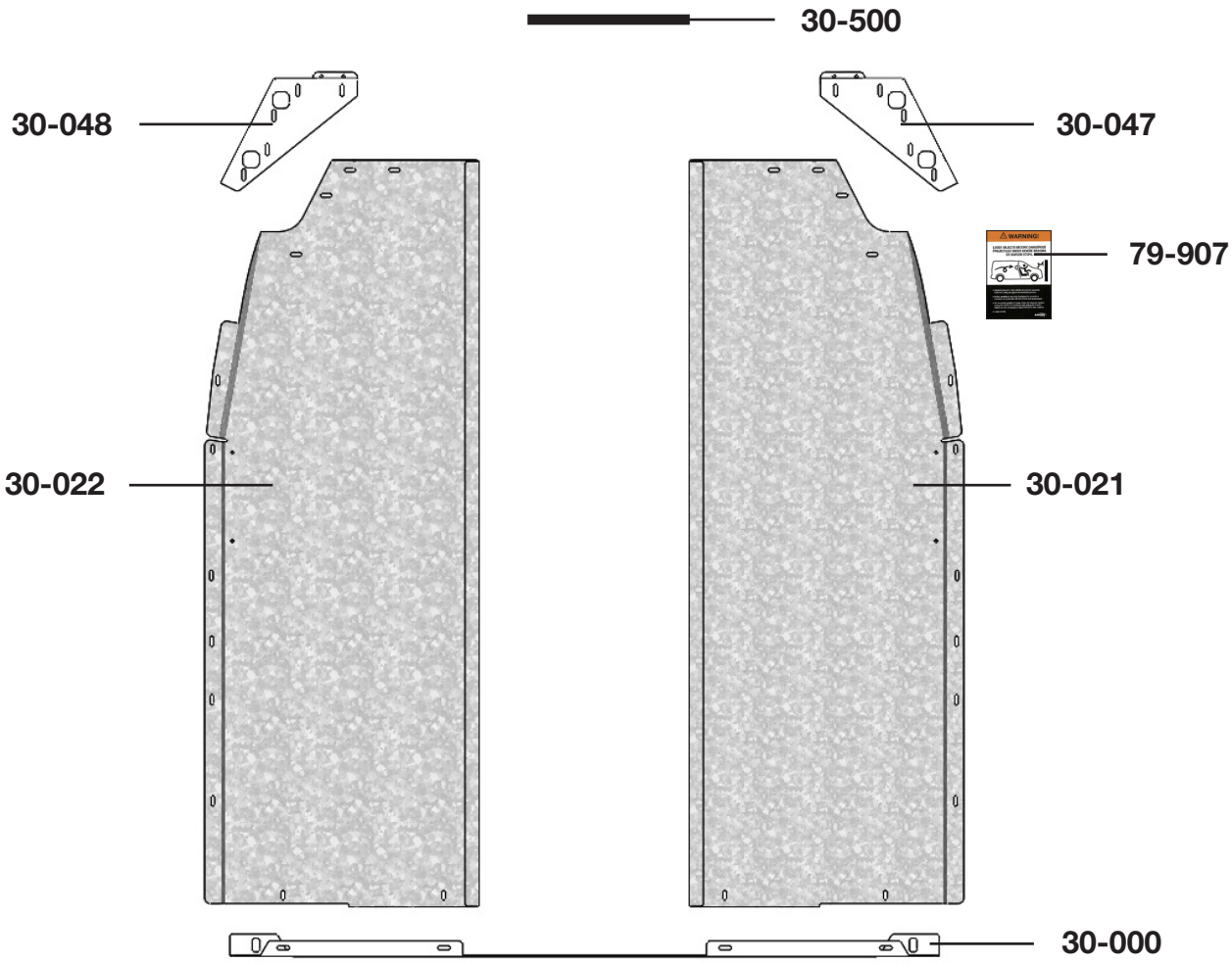
2 PERSONS

- ❑ Cordless Impact
- ❑ Cordless Drill
- ❑ Cutter
- ❑ Mallet
- ❑ Marker
- ❑ Plusnut Tool
- ❑ Socket Wrench
- ❑ Tape Measure
- ❑ 3/8" Drill Bit
- ❑ 7/16" Socket
- ❑ 1/2" Socket
- ❑ 9/16" Wrench
- ❑ 10mm Socket
- ❑ 13mm Socket
- ❑ T50 Torx Bit

PHASE 1 – ASSEMBLY

1.1 SETUP

1.1.1 Unpack components; compare with the bill of materials.



1.1.2 Verify all parts are present.

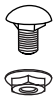
Item No.	Description	Qty.
30-000	Floor Bracket	1
30-021	Passenger Side Panel	1
30-022	Driver Side Panel	1
30-047	Passenger Side Ceiling Bracket	1
30-048	Driver Side Ceiling Bracket	1
30-500	Edge Trim (QTY in Inches)	18
79-907	Warning Label	1
94-3016	Assembly Fastener Bag	1
96-3010	Installation Fastener Bag	1

1.1.3 Identify the **Assembly** and **Installation** fastener bags.

Assembly Fastener Bag → Hardware Assembly

12×		**# 90-482**	Carriage Bolt 5/16"-18 × 1/2"
12×		**# 94-116**	Serrated Nut 5/16"-18 ZINC

12×



#90-482 Carriage Bolt 5/16" × 1/2"

#94-116 Serrated Nut

Installation Fastener Bag → Hardware Assembly

2×		**# 90-010**	Screw, Torx 7/16"-20 × 1" GR-10.9 ALLOY STL
10×		**# 90-118**	Hex Bolt 1/4"-20 × 1-1/4" GR-5 ZINC
6×		**# 90-971**	Hex Bolt Serrated Bolt Type 23 M6-1.00 × 20mm BO
10×		**# 94-130**	Plusnut .250
10×		**# 98-112**	Flat Washer 1/4", 3/4" OD ZINC
10×		**# 98-118**	Lock Washer Regular 1/4" ZINC
2×		**# 98-141**	Square Flat Washer 0.438" ID, × 1.000" SQUARE

10×

#90-118 Hex Bolt 1/4" × 1-1/4"

#98-118 Lock Washer

#98-112 Flat Washer

#94-130 Plusnut .250

6×

#90-971 Hex Bolt M6-1.0 × 20mm

2×

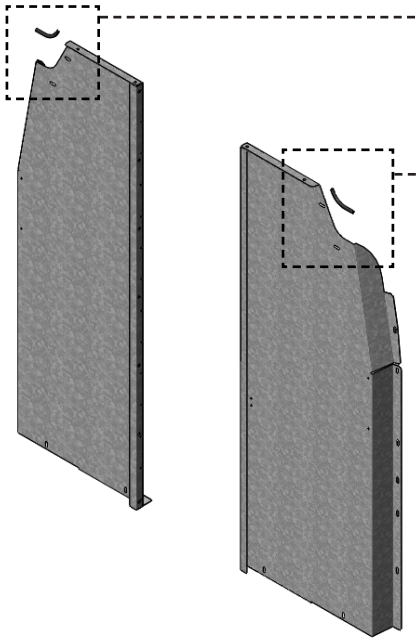
#90-010 Screw, Torx 7/16" × 1"

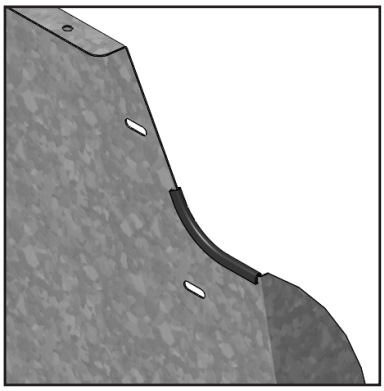
#98-141 Square Flat Washer

PHASE 1 – ASSEMBLY

1.2 PARTITION ASSEMBLY

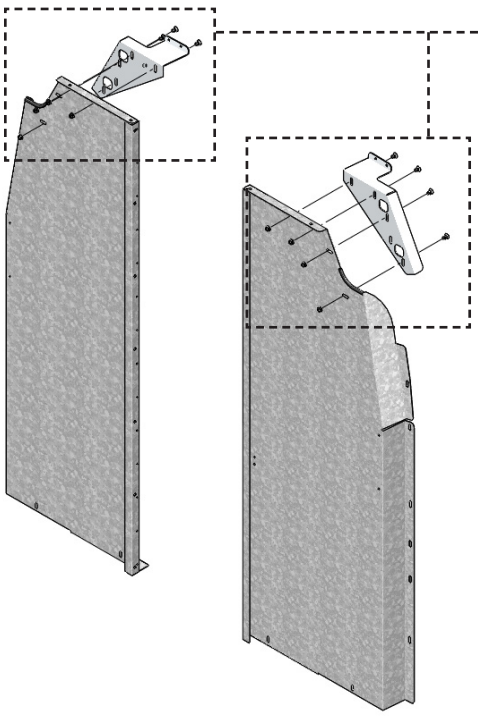
1.2.1 Remove all the PVC from all the parts, then attach the edge trims on these locations.

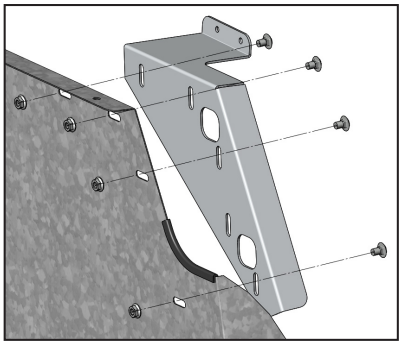




TOOLS
- ❑ Mallet
- ❑ Cutter

1.2.2 Attach the driver side and passenger side ceiling brackets to the driver and passenger side panels.





TOOLS
- ❑ Cordless Impact
- ❑ 1/2" Socket

HARDWARE USED

8×

#90-482 Carriage Bolt 5/16" × 1/2"

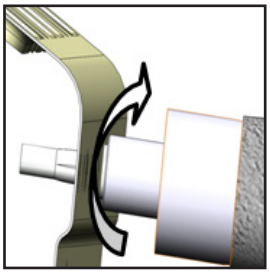
#94-116 Serrated Nut

PHASE 2 – INSTALLATION

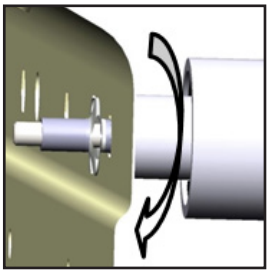
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

2.1.1 Attach the plusnut using the plusnut gun.

TIPS: Put the plusnut on the plusnut gun, then attach the plusnut in the hole by turning the gun forward until the plusnut locks, then remove the gun by turning in reverse.



FORWARD

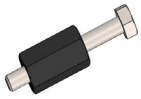


REVERSE

2.1.2 Attach the plusnut using the 6490 plusnut tool.

NOTE: The hardware used for the 6490 plusnut tool is not included in the fastener bag. The 6490 plusnut tool can be ordered separately upon demand at no charge.

6490



HARDWARE USED

Flat washer 1/4"

Flat washer 1/4" BS × 3/4" OD

TOOLS

- ❑ Cordless Impact
- ❑ 7/16" Socket
- ❑ 9/16" Wrench

TIPS STEP 1:
Assemble the 6490 plusnut tool with the hardware needed, plusnut and the 9/16" wrench as shown.

TIPS STEP 2:
Attach the plusnut in the hole by turning the bolt forward using an impact with a 7/16" socket until the plusnut locks, then remove the bolt by turning the impact in reverse.

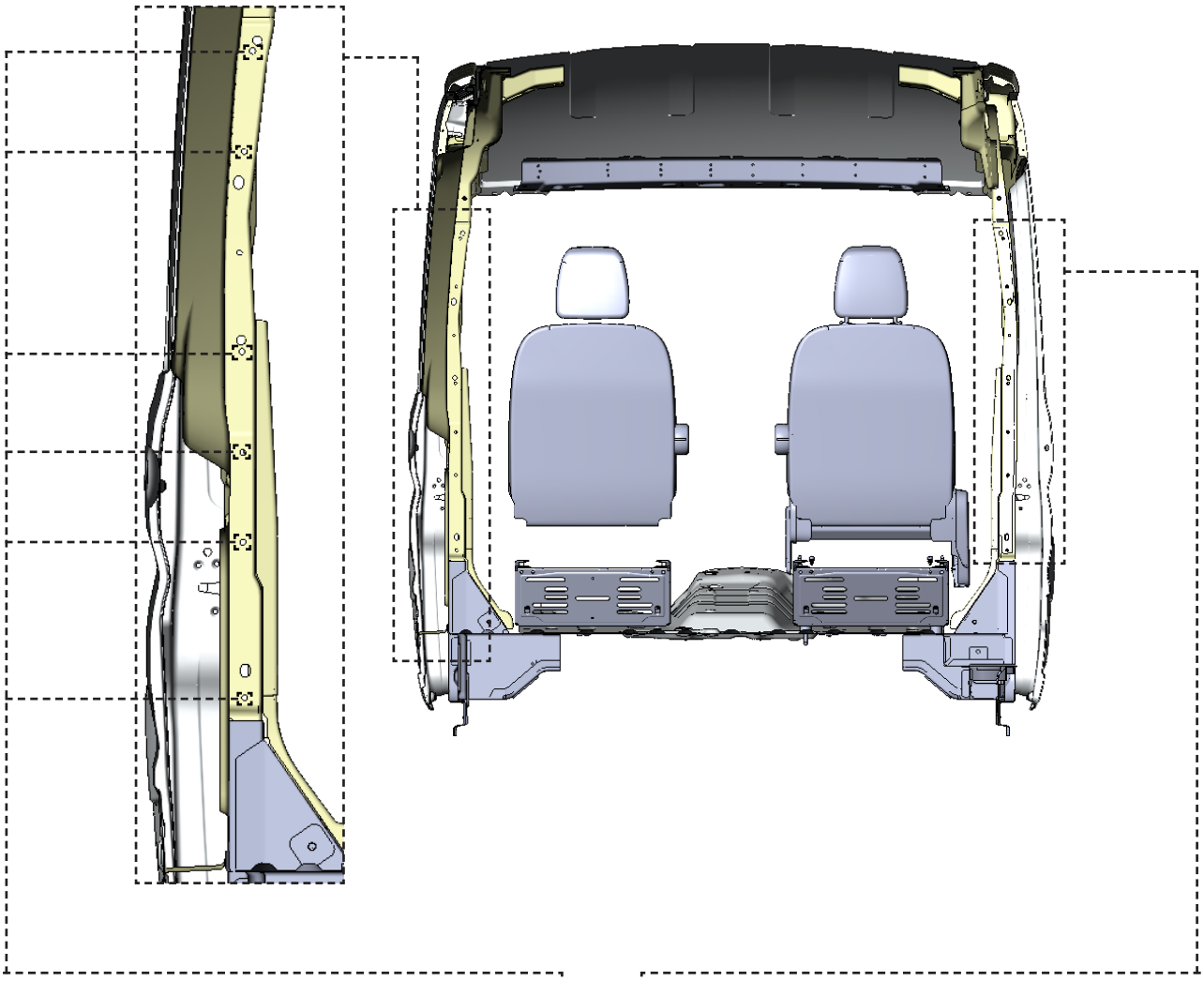
FORWARD

REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Driver and passenger sides preparation.



Attach plusnuts on the six factory holes.

TOOLS

❑ Plusnut Tool

HARDWARE USED

6×

 # 94-130
Plusnut .250

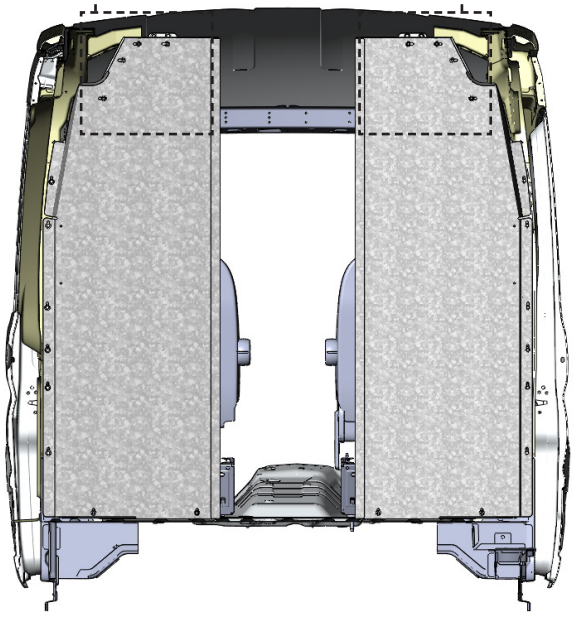
Remove the factory handle in the van.

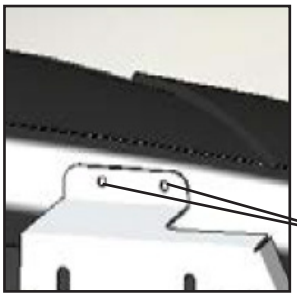
TOOLS

❑ Cordless Impact

❑ 10mm Socket

2.2.2 Ceiling preparation.





Lift the driver and passenger side panels inside the van and put it in place, then put 4 marks on the van through the holes of the driver and passenger side ceiling brackets.

TOOLS
- ❑ Marker

Put the assembled partition on the side, then drill the 4 marks using the 3/8" drill bit or step drill.

TOOLS
- ❑ Cordless Drill
- ❑ 3/8" Drill Bit or Step Drill

Attach plusnuts in the 4 holes.

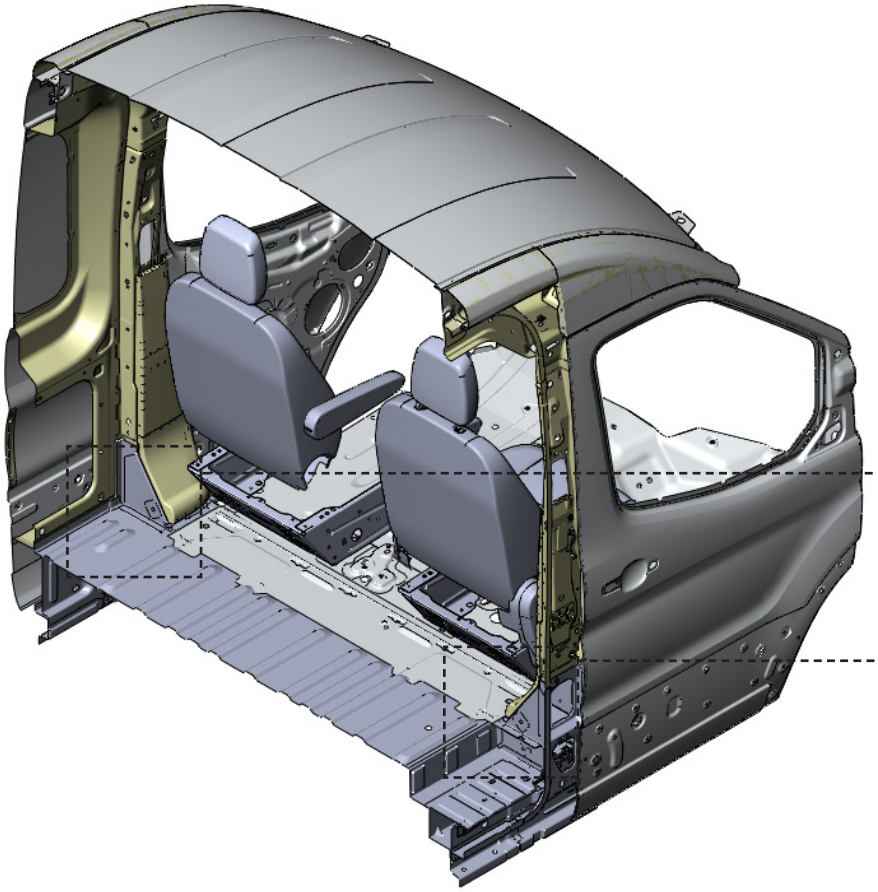
TOOLS
- ❑ Plusnut Tool

HARDWARE USED

4×

94-130
Plusnut .250

2.2.3 Floor preparation.



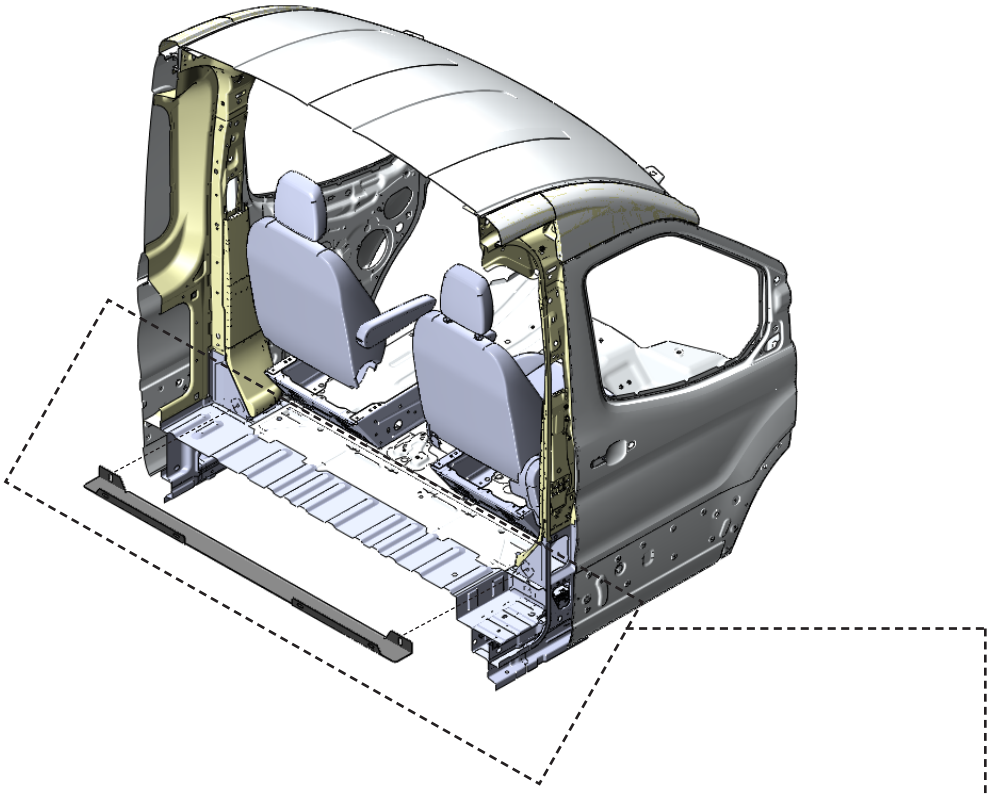
Remove the two D-rings in the floor, for re-use.

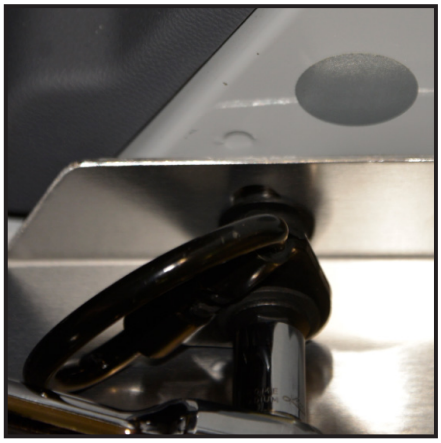
TOOLS

- ❑ Cordless Impact
- ❑ 13mm Socket

PHASE 2 – INSTALLATION
2.3 STRAIGHT PARTITION INSTALLATION

2.3.1 Floor bracket installation.





Attach the floor bracket to the floor re-using the 2 D-ring bolts with the addition of the square washers, in between the D-rings and floor bracket.
Note: Use 90-010 if D-rings are not available.

TOOLS
- ❑ Socket Wrench
- ❑ 13mm Socket
- ❑ T50 Torx Bit

HARDWARE USED

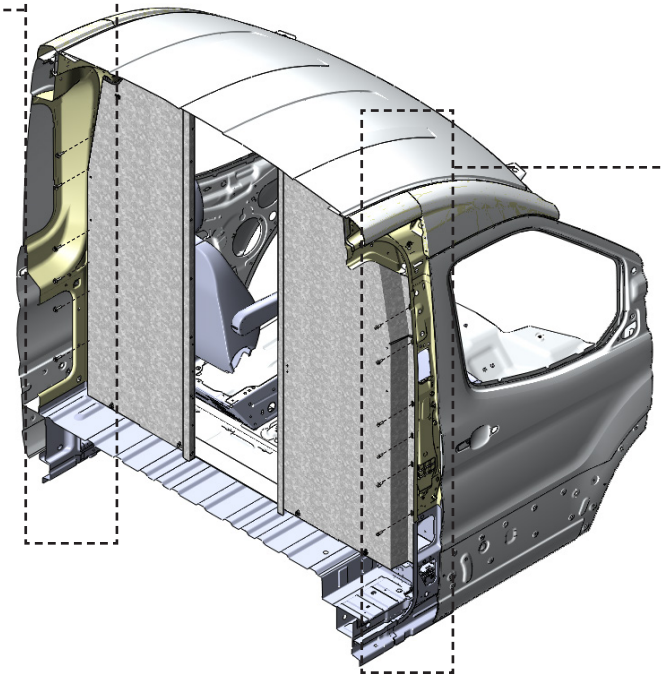
2×

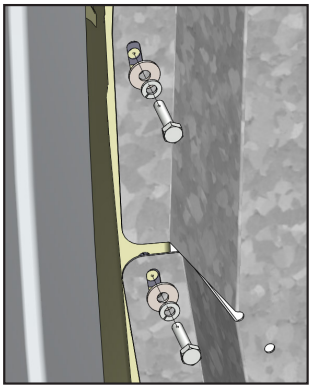
2×

#90-010 Screw, Torx 7/16" × 1"

#98-141 Square Flat Washer

2.3.2 Driver and passenger side panels installation.





Attach the driver side panel to the van.

TOOLS

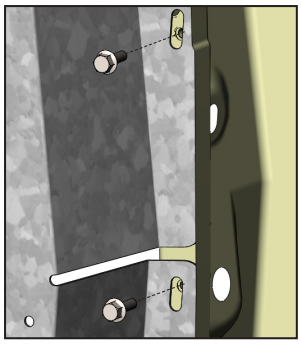
- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

6×

	#90-118 Hex Bolt 1/4" × 1-1/4"
	#98-118 Lock Washer
	#98-112 Flat Washer

NOTE: Do not tighten the bolt too much to prevent breakage.



Attach the passenger side panel to the van.

TOOLS

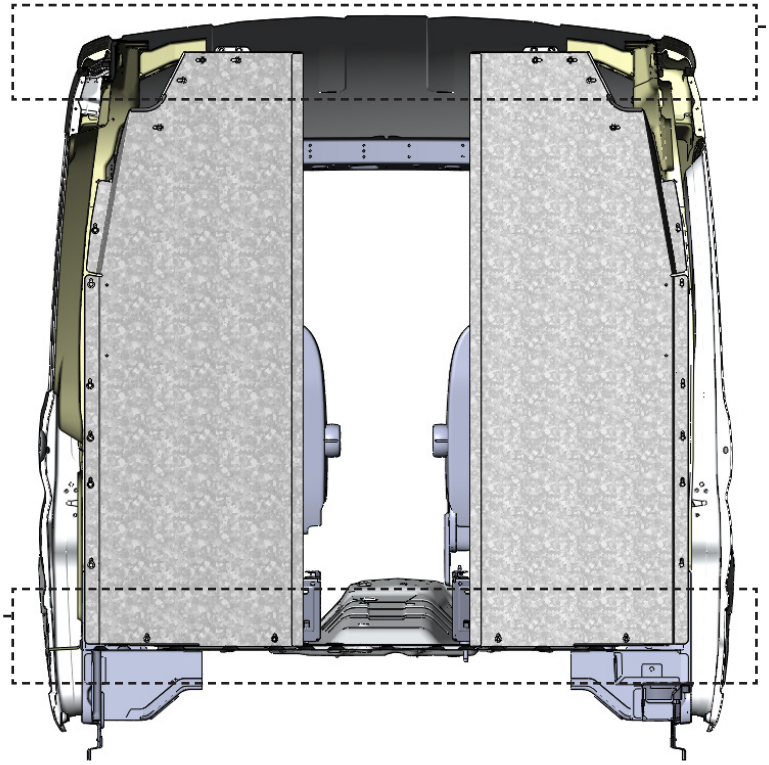
- ❑ Cordless Drill
- ❑ 10mm Socket

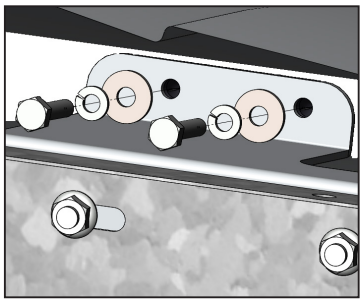
HARDWARE USED

6×

	#90-971 Hex Bolt M6-1.0 × 20mm

2.3.3 Attach the driver and passenger side ceiling brackets to the van, then attach the driver and passenger side panels to the floor bracket.



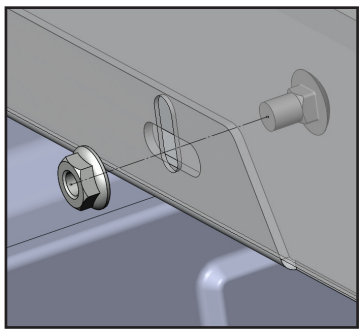


TOOLS
- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

4×

- #90-118 Hex Bolt 1/4" × 1-1/4"
- #98-118 Lock Washer
- #98-112 Flat Washer



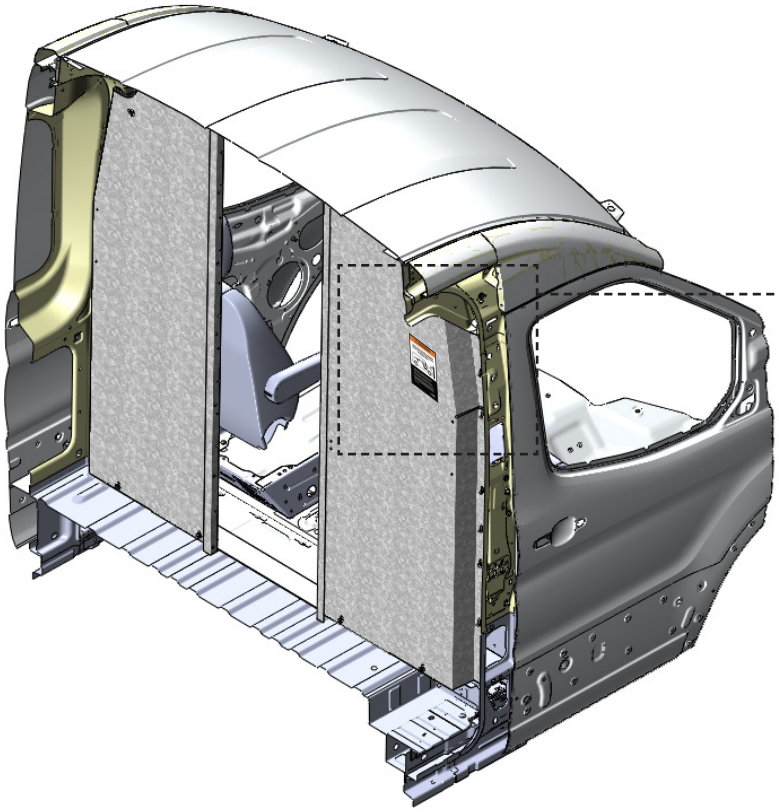
TOOLS
- ❑ Cordless Impact
- ❑ 1/2" Socket

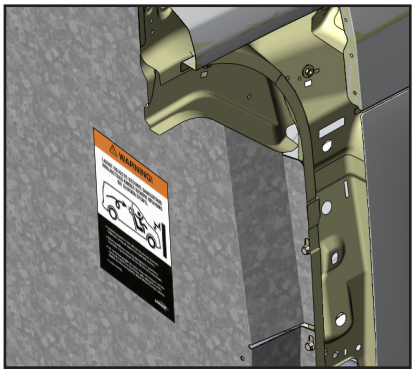
HARDWARE USED

4×

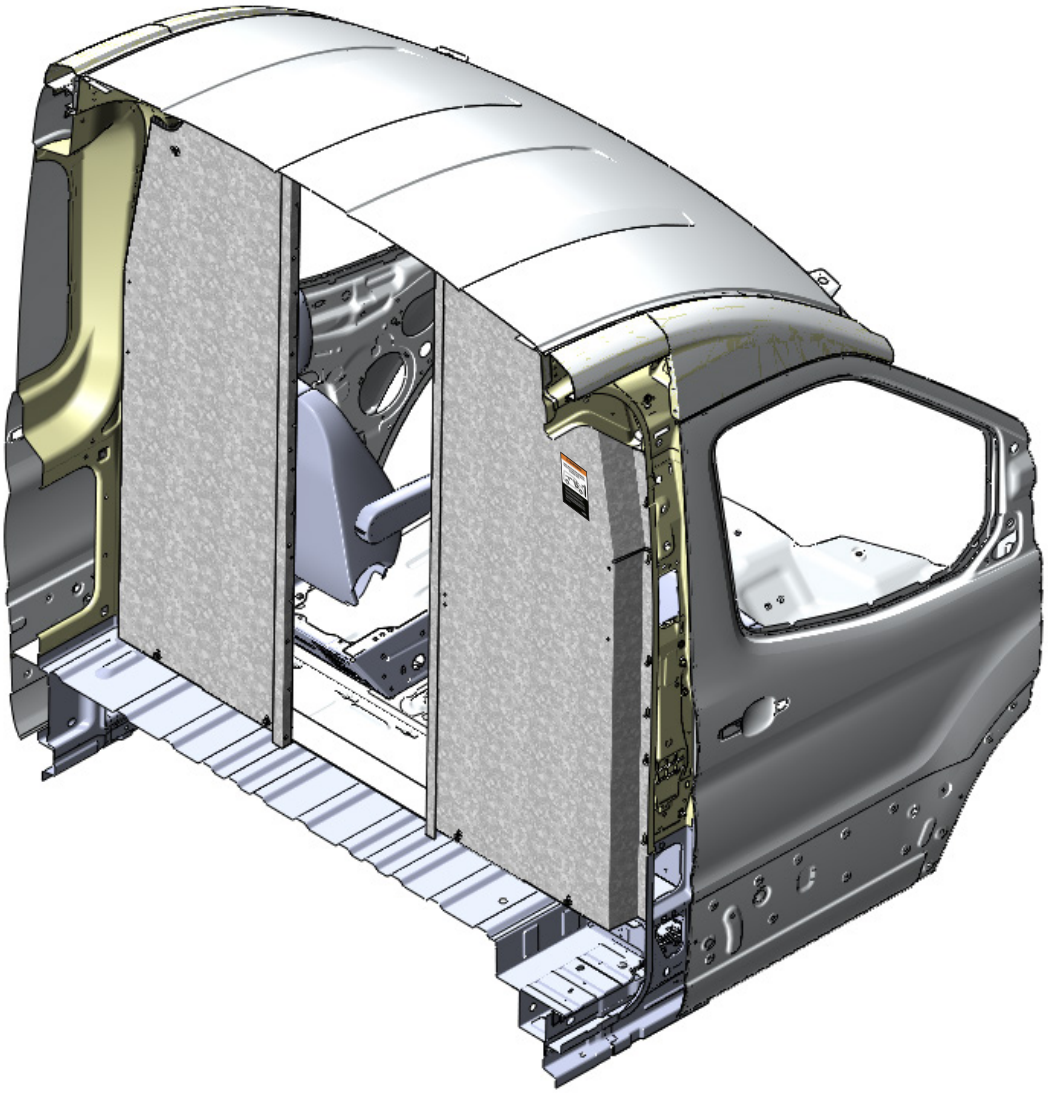
- #90-482 Carriage Bolt 5/16" × 1/2"
- #94-116 Serrated Nut

2.3.4 Apply the warning label on the passenger side panel.





NOTE: Put the warning label in a place where it's easy to see.



“Congratulations, you have successfully installed your Straight Partition!

Thank you for doing business with us.”

RANGER DESIGN